BRUHATH BANGALORE MAHANAGARA PALIKE
Dasarahalli Zone Bangalore-73

Office Of the
Executive Engineer(Elect)
Dasarahalli Zone
BBMP, Bangalore-73.

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No.EE(Elec)/DZ/WO/ 02 /2013-14 Dated:13.11.2013.

WORK ORDER

Job No: 014-13-000050.

To,

M/s Chetan Electricals,
#185, Mysore Lamp Layout,
Channanayakanapaly, 2nd Stage,
Nagasandra Post Bangalore-73
Ph No:9986319631

Sir,

Sub :- Providing Electrical Maintenance and Repair and Additional fixtures to BBMP Buildings In Dasarahalli Zone.

Ref :- 1) Estimate Amount: Rs. **3,50,000.00**
2) A.S. No:JC/DZ/AS/711/12-13 date: 18.02.2013.
3) T.S.No:EE(ELE)/ DZ/TS/30/12-13, date: 20.02.2013.
4) Tender Notification No. EE/ELE/DZ/TN/GN/01/2013-14 Dt:17.08.2013.
5) Tender Approved Amount: Rs. **2,62,912.00**

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By the virtue of having executed the agreement and the same has been accepted by the Competent authority and you are informed to commence the above work forthwith in consultation with the Assistant Executive Engineer (Electrical) and complete the same within **365 Days** as per the Agreement at **24.79% Below** the Sanctioned Estimate rates. The sample shall be got approved by undersigned before commencing the work.

The Parameters of the Work are as Follows:

1.	Date of commencement of work	13.11.2013
2.	Date of completion of the work	12.11.2014

A copy of the rate list is herewith enclosed for your information and guidance.

Executive Engineer (Elecl.)
Dasarahalli Zone
Bruhat Bangalore Mahanagara Palike

1. Copy to AEE (Elecl.) along with a copy of rate list for further necessary action.
2. Copy to Accounts Superintendent.
3. Copy to AE / JE.
4. Office Copy.

Received

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Commercial Bid Item Details

Tender No. : **BBMP/2013-14/EL/WORK_INDENT7971**

Tender Title : Providing Electrical Maintenance and repair and Additional fixtures to BBMP Buildings in Dasarahalli Zone.

Department : Bruhat Bengaluru Mahanagara Palike

Sl No	Item Code	Item Name	Unit	Quantity	Approved Estimate Price (INR)	Unit Rate(All Inclusive)	Amount	Amount In Words	Action
1	1	**Electrification or wireman with wireman permit 1 person x Rs.169.12/day x 30 days Rs.5073.60/month x 12 months Rs.60883.20**	Each	1	60883.2	55000	55000	Fifty Five Thousand (dot) Zero Only.	
2	1	**Operator Light/Pump Vibrator/Grinder/ Air conditioner Rs.165=12/day/person (Weekly Once i.e 2days in a month X 12 month)**	Each	24	165.12	160	3840	Three Thousand Eight Hundred and Fourty (dot) Zero Only.	
3	1	**Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE a) 100 Amps 25 kA,**	Each	1	3660	2818	2818	Two Thousand Eight Hundred and Eighteen (dot) Zero Only.	
4	1	**Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.**	Each	75	30	22	1650	One Thousand Six Hundred and Fifty (dot) Zero Only.	
5	1	**Supplying and fixing/replacing of flouresexcnt tube. a) 18 to 40 watts**	Each	50	65	50	2500	Two Thousand Five Hundred (dot) Zero Only.	
6	1	**Supplying of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes. a) Group A**	Each	65	240	185	12025	Twelve Thousand and Twenty Five (dot) Zero Only.	
7	1	**Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp. a) Group A**	Each	95	18	14	1330	One Thousand Three Hundred and Thirty (dot) Zero Only.	
8	1	**Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder**	No	20	25	18	360	Three Hundred and Sixty (dot) Zero Only.	
9	1	**Supply and fixing of 230 volts CFL lamp holder a) 2Pin Holder**	No	25	50	38	950	Nine Hundred and Fifty (dot) Zero Only.	
10	12	**Supply of Specital type lamps e) 9/11 Watts CFL**	Each	25	140	107	2675	Two Thousand Six Hundred and	

							Seventy Five (dot) Zero	
11		h) 36 Watts CFL	Each	45	190 145	6525	Six Thousand Five Hundred and Twenty Five (dot) Zero Only.	
12	12	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (Spray method) to less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.	Each	15	245 188	2820	Two Thousand Eight Hundred and Twenty (dot) Zero Only.	
13	1	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries.a) Upto 4 mfd	Each	10	82 63	630	Six Hundred and Thirty (dot) Zero Only.	
14	12	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. I. Using Group "A" materials d) Stepped Fan Regulator	Each	8	520 400	3200	Three Thousand Two Hundred (dot) Zero Only.	
15	1	Supplying and replacing ceiling fan regulator 900mm to 1500mm	No	10	140 108	1080	One Thousand and Eighty (dot) Zero Only.	
16	1	Rewinding a... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing. c) 1200MM	Each	15	630 485	7275	Seven Thousand Two Hundred and Seventy Five	
17	1	Supply of 1x19x1000mm self adhesive PVC insulated steel grip tape roll.	No	25	15 11	275	Two Hundred and Seventy Five (dot) Zero Only.	
18	12	Supplying and fixing Cordless calling bell suitable to operate on 230V 50 Hz AC/3V DC Supply, Cordless remote bell push with 2x1.5V DC Batteris and completely wired. a) Group A	Each	10	650 500	5000	Five Thousand (dot) Zero Only.	
19	1	Supplying and fixing 6 Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50 Hz AC supply a) Group A	Each	15	780 600	9000	Nine Thousand (dot) Zero Only.	
20	12	Supplying installation testing and commissioning of heavy duty compresser suitable for window/split type A/C. c) 2 ton capacity	Each	1	11400 6400	6400	Six Thousand Four Hundred (dot) Zero Only.	
21	1	Supply and fixing of condensing coil for Split Air Conditioners. c) 2 ton capacity	Each	2	6750 3800	7600	Seven Thousand Six Hundred (dot) Zero Only.	
22	1	Supplying and fixing capacitor's (of approved make) for window/ split air conditioners b) 80 to 200 mfd Starting capacitor	Each	4	300 230	920	Nine Hundred and Twenty (dot) Zero Only.	
23	1	Supplying & fixing relay for over load protection for window and split air conditioners.	Each	4	260 200	800	Eight Hundred (dot) Zero Only.	
24	1	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split/ window air conditioners.	Each	2	3165 1804	3608	Three Thousand Six Hundred and	

							Eight (dot) Zero Only.	
25	1	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.	Per Kg	35	810 461	16135	Sixteen Thousand One Hundred and Thirty Five	
26	12	Supplying and fixing electro mechanical/Pneumatic time switches including Vat.	Each	2	960 739	1478	One Thousand Four Hundred and Seventy Eight (dot)	
27	12	Supply, installation of 5/8" and 7/8" Hard drawn refrigerant pipe and insulation suitable for 11 TR ductable split Air-Conditioner.	Per Mtr	10	1600 1070	10700	Ten Thousand Seven Hundred (dot) Zero Only.	
28	1	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. I Point wiring using class A Materials a) Short point upto 3Mtr from tapping point to out let via switch	Each	20	175 134	2680	Two Thousand Six Hundred and Eighty (dot) Zero Only.	
29	1	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. I Point wiring using class A Materials b) Medium point above 3Mtr upto 6Mtr from Tapping point to out let via switch	Each	35	260 200	7000	Seven Thousand (dot) Zero Only.	
30	1	Supplying and fixing of PVC casing and capping on the wall or celiling using necessary materials like bends, screws at an interval of 300mm... etc as required.,b) 25mm dia	Mtr	150	41 31	4650	Four Thousand Six Hundred and Fifty (dot) Zero Only.	
31	1	Supplying and fixing of PVC casing and capping on the wall or celiling using necessary materials like bends, screws at an interval of 300mm... etc as required c) 32mm dia	Mtr	300	45 34	10200	Ten Thousand Two Hundred (dot) Zero Only.	
32	1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cabe in open or consealed system of wiring. I Group A Materials. b) 1.5 sqmm	Mtr	700	15 11	7700	Seven Thousand Seven Hundred (dot) Zero Only.	
33	1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cabe in open or consealed system of wiring. I Group A Materials. c) 2.5 sqmm	Mtr	1500	25 19	28500	Twenty Eight Thousand Five Hundred (dot) Zero Only.	
34	1	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws.	SqCm	12000	0.22 0.16	1920	One Thousand Nine Hundred and Twenty (dot) Zero Only.	
35	1	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. a) Group 'A' I 1x4'-36/40Watts	Each	15	400 308	4620	Four Thousand Six Hundred and Twenty (dot) Zero Only.	
36	1	Fixing all types and all capacities fluorescent/false ceiling /spot light/CFL fitting indoor on the wall/ceiling /rafters/girders using 23/0.0076`` twin twisted PVC insulated wires, required nos of round blocks and clamps (if required) a) On wall/ceiling/Rafter/Girders	Each	15	105 81	1215	One Thousand Two Hundred and Fifteen (dot) Zero Only.	
37	1	Supplying capacitor type ceiling fan complete with dawn rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system. 1 48" Sweep (120 mm) a) Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Usha, Havells, Almonard)	Each	5	1800 1386	6930	Six Thousand Nine Hundred and Thirty (dot) Zero Only.	

38	1	Fixing a ceiling/wall mounting fan of all capacities and all types with necessary clamps and S hook made out of 15mm dia MS rod, with 5 amps ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted wire of approved quality with regulator mounted on a suitable size wooden board and wired complete.	Each	15	210 162	2430	Two Thousand Four Hundred and Thirty (dot) Zero Only.	
39	1	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A a) 6 amps SP switch	No	15	31 23	345	Three Hundred and Fourty Five (dot) Zero Only.	
40	1	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A e) 6 Amps bakelite Ceiling rose	No	30	34 26	780	Seven Hundred and Eighty (dot) Zero Only.	
41	1	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A i) 16 Amps Switch	No	6	80 62	372	Three Hundred and Seventy Two (dot) Zero Only.	
42	1	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A j) 16 Amps 3 way 5 pin Socket	No	6	84 65	390	Three Hundred and Ninty (dot) Zero Only.	
43	1	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A f) 6 Amps lamps holder	No	20	38 30	600	Six Hundred (dot) Zero Only.	
44	1	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate Using Group "C" materials d) Stepped Fan Regulator	Each	16	390 300	4800	Four Thousand Eight Hundred (dot) Zero Only.	
45	1	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.b) 6Amps 3/5 Way	Each	35	106 82	2870	Two Thousand Eight Hundred and Seventy (dot) Zero Only.	
46	1	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates. The box should be firmly/surface/flush mounted after due groove cutting in Brick/C.C wall, fixing including necessary rawl plugs, Machine/ NF screwes etc., complete d) 10-12Way	Each	25	190 146	3650	Three Thousand Six Hundred and Fifty (dot) Zero Only.	
47	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required. E) 5-32 Amps TPN 1) Group 'A'	Each	2	1005 773	1546	One Thousand Five Hundred and Fourty Six (dot) Zero Only.	
48	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required. C) 5-32 Amps DP 1) Group 'A'	Each	8	510 390	3120	Three Thousand One Hundred and Twenty (dot) Zero Only.	

Total Bid Amount (Rs. in figures) : 262912

Total Bid Amount (Rs. in words) : Two Lakh Sixty Two Thousand Nine Hundred and Twelve (dot) Zero Only.

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